## Tyler Warren

### **Education**

B.S. Civil Engineering, Kansas State University – 2017

### **Professional Experience**

### Mr. Warren is a project engineer with 7+ years of experience in the civil and environmental engineering fields. His project experience includes landfill design and permitting, environmental monitoring, landfill construction, and many other facets of environmental compliance. Mr. Warren is a Federal Aviation Authority (FAA) certified commercial Unmanned Aerial Vehicle (UAV) pilot and provides aerial imaging and topographic mapping services for clients in the Midwest.

### **Professional Affiliations**

National Society of Leadership and Success, Member 2015 – Current

American Society of Civil Engineers, Member 2014 – Current

Solid Waste Association of North America –

Sunflower Chapter, Member 2023 – Current

### **Project experience includes:**

#### General Civil Engineering

**UAV Aerial Surveying and Imaging, Various Sites in Kansas, Missouri, and Oklahoma:** Mr. Warren is a Federal Aviation Authority (FAA) certified commercial Unmanned Aerial Vehicle (UAV) pilot providing aerial imaging and topographic mapping of more than 38,000 acres of sites in Kansas, Nebraska, Missouri, Oklahoma, Arkansas, and Iowa. Mr. Warren oversees current UAV operations in the Midwest.

#### Environmental

**Phytoremediation Design, City of Hope; Hope, Arkansas:** Mr. Warren served as project engineer for the calculations and design assistance of a phytoremediation system to remove leachate from trenches and to provide a groundwater flow barrier.

**Potentiometric Surface Maps – Various Clients in Nebraska, Missouri, Kansas, and Iowa:** Mr. Warren used groundwater elevation measurements to create a potentiometric surface map showing the groundwater elevations throughout the facility and surroundings. Facility types have included landfills, transfer stations, hauling facilities, and recycling facilities.

**Electricity Generating Power Plants, Various Facilities, Kansas and Missouri – Kansas City Power & Light Company (KCP&L):** Mr. Warren is a project engineer for the on-going activities for various KCP&L electricity generating power plants located in Kansas and Missouri. His project experience has included potentiometric surface maps, coal combustion residuals (CCR) drawings and reporting, and additional project support for the facilities.

**Abandoned Mine Land Reclamation Projects, Southeast Kansas.**  Mr. Warren served as project engineer and project manager for designing reclamation projects related to historic land mining activities which have resulted in hazards to County roads. Project work involves topographic surveying, preparing reclamation plans to fill and grade the road hazards, reviewing potential environmental permit needs, preparing permit applications and Storm Water Pollution Prevention Plans, reviewing wetlands delineation reports and preparing associated 404 permit applications, preparing technical specifications and engineering construction estimates, and answering contractor questions during bidding/construction.

#### Solid Waste

**Noble Hill Sanitary Landfill, City of Springfield, Missouri:** Mr. Warren is a project engineer for the on-going activities at this facility. He works closely with the Project Manager to complete the work and provide support for the facility. Projects he has been involved in include:

Aerial drone imaging and surveying

Annual and quarterly volume calculations and life estimates

Leachate forcemain cleaning

Borrow area grading and soil quantities

GCCS system maintenance

Horizontal expansion and permitting

Landfill cell construction documents and permitting

Construction quality assurance review of cell construction

**Lee’s Summit Resource Recovery Park, Lee’s Summit, Missouri:** Mr. Warren is a project engineer that assisted in various activities that occurred at this facility. He works closely with the Project Manager to complete the work and provide support for the facility. Projects has been involved include:

Aerial drone imaging and surveying

Annual and quarterly volume calculations and life estimates

Oversight on the construction of a leachate interceptor trench and bentonite-cement wall.

Oversight on the construction of a berm

Publicly Owned Treatment Works (POTW) permitting

Financial assurance updates

Tier 2 Sampling

**Closure of Lee’s Summit Resource Recovery Park (RRP) Landfill, Lee’s Summit, Missouri:** Mr. Warren served as a project engineer and assisted in the production of construction drawings, technical specifications, construction cost estimation, state and federal permitting, construction quality assurance activities, and client/project management for the landfill closure at the RRP Landfill located in Lee’s Summit, Missouri. The closure was designed to satisfy state solid waste regulations.

**Barton County Municipal Solid Waste Landfill, Great Bend, Kansas:** Mr. Warren is a project engineer for the on-going activities at this facility. He works closely with the Project Manager to complete the work and provide support for the facility. Projects he has been involved in include:

Aerial drone imaging and surveying

Annual and quarterly volume calculations and life estimates

Valley Fill Expansion and permitting

Landfill cell construction documents and permitting

Construction quality assurance review of cell construction

**Bavarian Landfill, Walton, Kentucky – Bavarian Trucking Company, Inc.:** Mr. Warren assisted with annual volume calculations for the facility using design documents, aerial surveys, and topographic surveys to determine information such as the airspace consumed, remaining airspace, and required earthwork quantities. Mr. Warren has also prepared a rough grading plan for the intermediate phasing for determination of the life expectancy of the as-built units of the landfill.

**Southeast Landfill, Kansas City, Missouri – Republic Services, Inc.:** Mr. Warren served as the primary field engineer for the sampling of leachate for the Southeast Landfill located in Kansas City, Missouri. In addition, he provided assistance on the reporting of analytical laboratory data to the City of Kansas City, Missouri.

**Closure of Inactive NABORS Landfill, Arkansas Department of Environmental Quality; Mountain Home, Arkansas:** Mr. Warren assisted in the construction quality assurance (CQA) review of geosynthetic cover installation and testing at the NABORS Landfill located in north central Arkansas.

**TAMKO Building Products, Kansas, Industrial Landfill Expansion.:** Mr. Warren served as a project engineer responsible for complex design of a 2-acre landfill cell, including storm water calculations and infrastructure design, and preparation of a comprehensive permit modification application for submittal to the State.

**Bluff Road Landfill, City of Lincoln, Nebraska:** Mr. Warren served as the primary field engineer and served as the client’s onsite representative during the construction of a new landfill cell at the Bluff Road Landfill. This included overseeing the construction of a bottom liner system that included an underdrain collection system, several types of geosynthetics, a compacted clay layer, various leachate control components. Mr. Warren continues to provide aerial drone imaging and surveying services on an annual basis.

**Franklin County C&D Landfill and Transfer Station, Ottawa, Kansas:** Mr. Warren is a project engineer for the on-going activities at this facility. He works closely with the Project Manager to complete the work and provide support for the facility. Projects he has been involved in include:

Aerial drone imaging and surveying

Annual volume calculations and life estimates

Facility Expansion, planning, and permitting

**St. Joseph Solid Waste Landfill, St. Joseph, Missouri:** Mr. Warren is a project engineer for the ongoing activities at this facility. He works closely with the Project Manager to complete the work and provide support for the facility. Projects he has been involved in include:

Aerial drone imaging and surveying

Annual and quarterly volume calculations and life estimates

Landfill cell construction documents and permitting

#### Agriculture Renewable Gas Capture

**Seaboard Energy and Seaboard Foods**: Mr. Warren has served as a project engineer/manager and assisted with the design and construction of multiple anaerobic digester lagoons for swine facilities, including floating covers and biogas dehydration and compression with eventual RNG pipeline injection.